

means for designating each of the plurality of received sounds based on one or more of the sonic characteristics corresponding to each sound source;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

means for separately storing the plurality of separate audio signals without mixing the audio signals;

means for separately retrieving the stored audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the separate audio signals; and

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for reproducing the separately amplified audio signals.

36. The sound system of claim 35, wherein said separate loudspeaker means comprises one or more loudspeakers or groups of loudspeakers which are customized based on the sonic characteristics of one or more of the plurality of sounds sources designated to be reproduced by each loudspeaker or group of loudspeakers.

37. The sound system of claim 35 wherein each of the plurality of sound sources comprises a group of individual sound sources.

38. The sound system of claim 35 wherein each of the amplification means is customized based on the sonic characteristics of one or more plurality of sound sources designated to be amplified by that amplifier means.

39. The sound system of claim 35 wherein each of the amplification means and loudspeaker means is separately controllable.

40. The sound system of claim 36 wherein the customization of the loudspeakers includes one or more of audio characteristics of the loudspeakers, the configuration of the loudspeakers, or the directionality of the loudspeakers.

41. The sound system of claim 35, wherein two or more of the plurality of separately received audio signals can be combined to share a designated amplification means or loudspeaker means.

42. A sound system for recording and reproducing sounds produced by a plurality of sound sources, each sound source having unique sonic source characteristics, the system comprising:

means for separately receiving sounds produced by the plurality of sound sources,

means for designating each of the plurality of received sounds based on the sonic characteristics of each of the corresponding sound sources;

means for converting the separately received sounds to a plurality of separate audio signals without mixing the audio signals;

a recording medium;

means for separately storing the plurality of separate audio signals on the recording medium without mixing the audio signals;

means for separately retrieving the stored audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for separately amplifying each of the separate audio signals;

a loudspeaker network comprising a plurality of loudspeaker means, with separate loudspeaker means for reproducing separately the amplified audio signals; and

a dynamic controller for separately dynamically controlling the loudspeaker network and the amplification network according to predetermined control schemes that take into account the change in dynamic relationship among the separate sounds being reproduced based on changes in output levels of the audio signal.

43. A system for reproducing sounds produced by a plurality of sound sources, comprising:

means for separately receiving a plurality of audio signals produced by the plurality of sound sources without mixing the audio signals, each sound source having separate sonic characteristics;

means for designating each of the plurality of received sounds based on one or more of the sonic characteristics corresponding to each sound source;

means for transmitting the plurality of separately received audio signals without mixing the audio signals;

an amplification network comprising a plurality of amplifier means, with separate amplifier means for amplifying each of the plurality of audio signals; and

a loudspeaker network comprising a plurality of customized loudspeaker means, with separate loudspeaker means for separately reproducing each of the separately amplified audio signals.

44. The sound system of claim 43 wherein each of the plurality of sound sources comprises a group of individual sound sources.

45. The sound system of claim 43 wherein each of the amplification means is separately controllable.

46. The sound system of claim 44 wherein each of the loudspeaker means is separately controllable.

47. The sound system of claim 43, wherein two or more of the plurality of separately received audio signals can be combined to share a designated amplification means or loudspeaker means.

48. A method of recording and reproducing sound comprising the steps of:

separately capturing a plurality of sounds from a plurality of sound sources, each sound source having unique sonic characteristics;

designating each of the plurality of received sounds based on the sonic characteristics of each of the corresponding sound sources;

converting each of the plurality of sounds to an audio signal;

separately recording each of the audio signals;

separately retrieving each of the audio signals;

separately amplifying each of the plurality of audio signals; and

separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds.

49. The method of claim 48 further comprising the step of separately controlling each of the amplification means.

50. The method of claim 48 further comprising the step of separately controlling each of the loudspeaker means.

51. The method of claim 48, further comprising the step of combining two or more of the plurality of separately received audio signals to share a designated amplifier means or loudspeaker means.

52. A method of sound reproduction comprising the steps of:

separately capturing a plurality of sounds from a plurality of sound sources, each sound source having unique sonic characteristics;

designating each of the plurality of received sounds based on the sonic characteristics of each of the corresponding sound sources;

converting each of the plurality of sounds to an audio signal;

separately transmitting each of the audio signals without mixing the audio signals;

separately amplifying each of the plurality of audio signals; and

separately supplying each of the audio signals to a loudspeaker system to reproduce the original plurality of sounds.

53. The method of claim 52 further comprising the step of separately controlling each of the amplification means.

54. The method of claim 52 further comprising the step of separately controlling each of the loudspeaker means.

55. The method of claim 53, further comprising the step of combining two or more of the plurality of separately transmitted audio signals to share a designated amplifier means or loudspeaker means. --